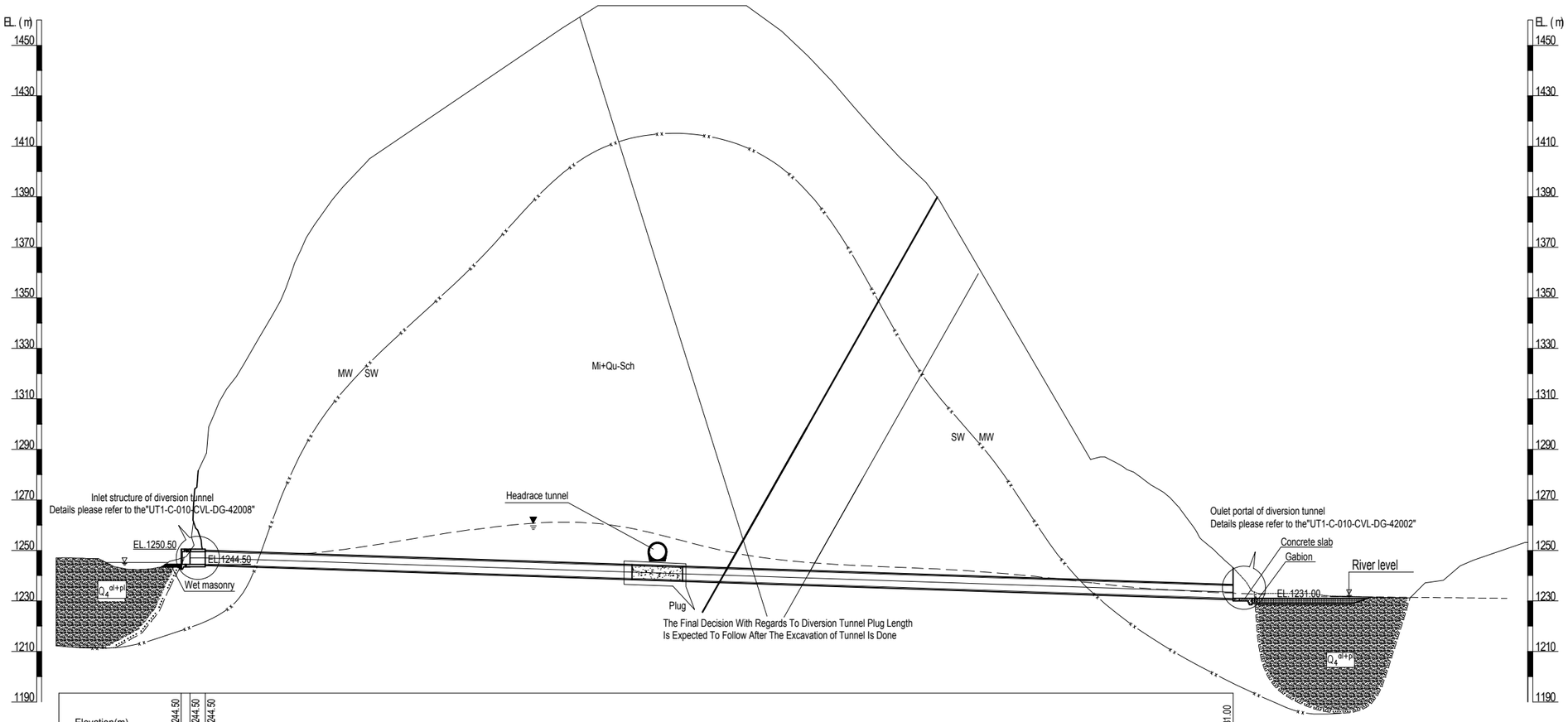
# Longitudinal Profile of Diversion Tunnel

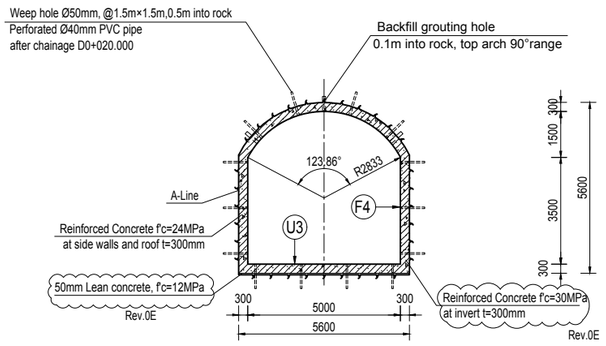
Scale 1:1000




| | | |

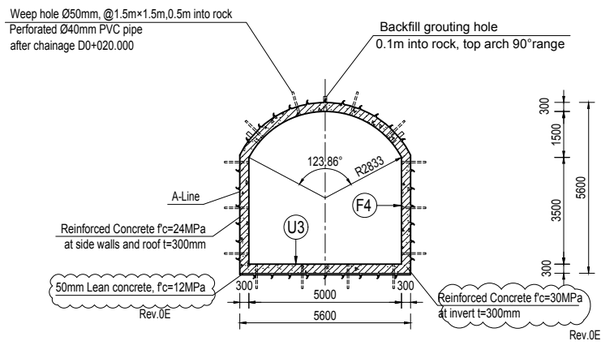
## Typical Cross Section D1
(for rock class II)

Scale 1:100



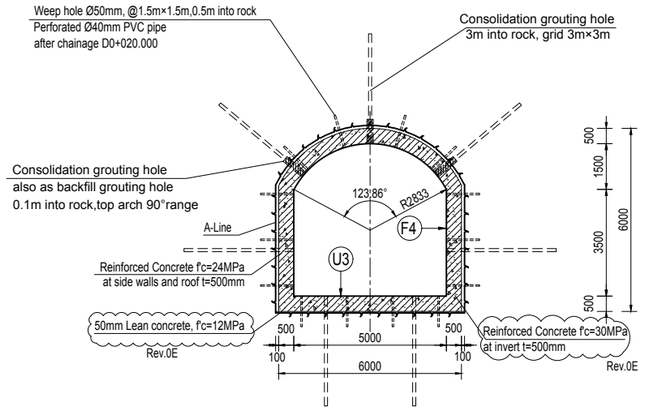

## Typical Cross Section D2
(for rock class III)

Scale 1:100




## Typical Cross Section D3
(for rock class IV)

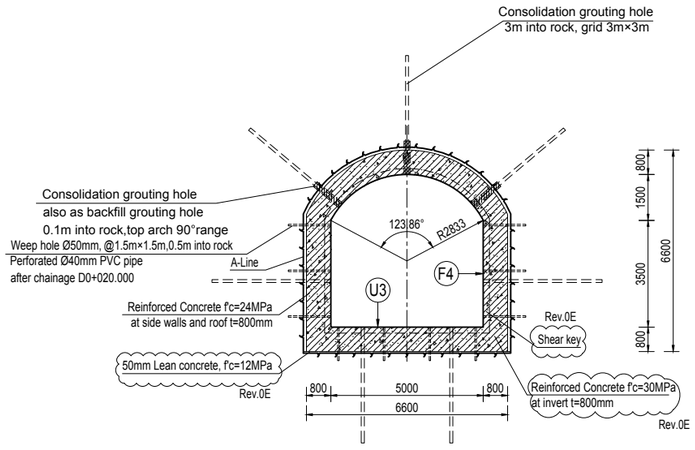
Scale 1:100




Rev.0C

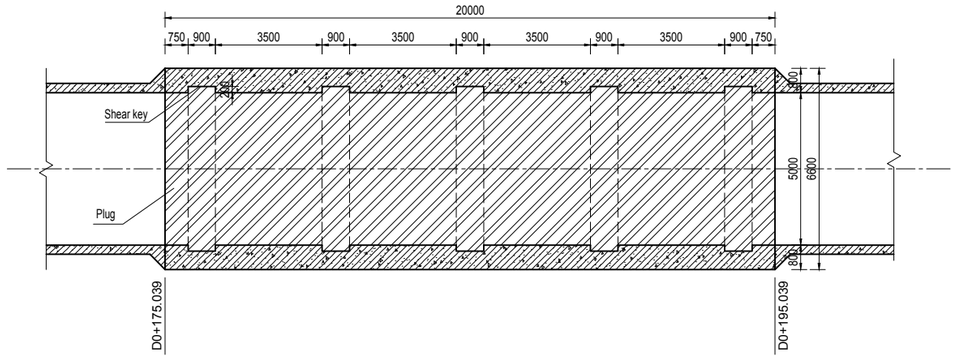
## Typical Cross Section D4 (for plug)
CHAINAGE D0+175.039-D0+195.039

Scale 1:100




## Plan of Plug
CHAINAGE D0+175.039-D0+195.039

Scale 1:100




Rev.0E

## Arrangement of Weep Holes

| Starting Chainage (m) | Ending Chainage (m) | Depth of weep hole into rock (m) | | | Holes spacing (m) |
|---|---|---|---|---|---|
| | | Roof | Side wall | Invert | |
| D0+006.000 | D0+020.000 | Nil | Nil | Nil | Nil |
| D0+020.000 | D0+175.039 | 0.5 | 0.5 | 0.5 | 1.5 |
| D0+175.039 | D0+195.039 | Nil | 0.5 | 0.5 | 1.5 |
| D0+195.039 | D0+413.042 | 0.5 | 0.5 | 0.5 | 1.5 |

SCALE:
1:100 0 1 2 3 4 5m

### NOTE

1. Coordinates, chainages & elevations are in meters,and all dimensions are in millimeters unless otherwise stated.
2. Symbol description:
   A-Line is the design excavation line.
   D denotes deformed bar, yield strength of the deformed bar is 500MPa;
3. Other notes please refer to the sheet 1.

Formed Surfaces

- (F1) Upon or against which backfill or concrete is to be placed.
- (F2) Not permantently concealed by backfill or concrete, and not required to have F3 or higher.
- (F3) Structures prominently exposed to public view where appearance is of special importance.
- (F4) Subject to destructive water flow velocities including the surfaces within 3m D/S of hydraulic gates.

Unformed Surfaces

- (U1) Screeded finish
- (U2) Floated finish
- (U3) Troweled finish

### REFERENCE DRAWINGS

| | |
|---|---|
| UT1-PC-DHI-TE-MS-037 | Concrete Linning Method Statement of DT |
| UT1-C-010-CVL-DG-42001 | Arrangement Drawing of Diversion Tunnel |
| UT1-C-010-CVL-DG-42002 | Excavation and Support Drawing of Inlet and Outlet of Diversion Tunnel |
| UT1-C-010-CVL-DG-42003 | Excavation and Initial Support Drawing of Diversion Tunnel |
| UT1-C-010-CVL-DG-42008 | Outline of Diversion Tunnel Intake Tower |

### SYMBOL AND LEGEND

**FOR CONSTRUCTION**


THIS DRAWING AND THE INFORMATION CONTAINED HEREIN ARE PRELIMINARY FOR APPROVAL.
IT CAN BE CHANGED IN THE EXECUTION STAGE
THIS DRAWING IS THE PROPERTY OF DOOSAN HEAVY INDUSTRIES & CONSTRUCTION CO., LTD.
IT IS NOT TO BE COPIED OR USED IN ANY WAY DETRIMENTAL TO THE COMPANY.


| REV. NO. | DATE | DESCRIPTION | DRAWN | CHKD. | APPD. |
|---|---|---|---|---|---|
| 0 | 4.Nov,2022 | As RN-0315 | DONG Z.Z. | LEI Y.G. | HAN J.B. LUO L. |
| OF | 13.Oct,2022 | As RN-0297 | DONG Z.Z. | LEI Y.G. | HAN J.B. LUO L. |
| OE | 07.Jun,2022 | As RN-0150 | DONG Z.Z. | LEI Y.G. | HAN J.B. LUO L. |
| OD | 07.Jun,2022 | As RN-0115 | DONG Z.Z. | LEI Y.G. | HAN J.B. LUO L. |
| OC | 02.Jun,2022 | As RN-0115 | DONG Z.Z. | LEI Y.G. | HAN J.B. LUO L. |
| OB | 14.May,2022 | As RN-0108 | DONG Z.Z. | LEI Y.G. | HAN J.B. LUO L. |
| OA | 15.MAR,2022 | FIRST ISSUE | DONG Z.Z. | LEI Y.G. | HAN J.B. LUO L. |

PROJECT TITLE
Upper Trishuli-1 HEP (216MW)

OWNER
NWEDC

OWNER'S ENGINEER
TRACTEBEL ENGIE
JADE CONSULT

CONTRACTOR
DOOSAN Enerbility

DRAWING TITLE
OUTLINE DRAWING OF DIVERSION TUNNEL LINING

| DRAWING NUMBER | SHEET NO. | REV. NO. |
|---|---|---|
| UT1-C-010-CVL-DG-42005 | 2 OF 2 | 0 |

A1 (594 x 841 MM)